Name:

p1103: Expand Product of Linear Binomials (v4)

Question 1

Expand the product of linear binomials. $(x - 8)(x - 3)$

$$x^2 - 3x - 8x + 24$$

$$x^2 - 11x + 24$$

Question 2

Expand the product of linear binomials. $(x + 7)(x + 3)$

$$x^2 + 3x + 7x + 21$$

$$x^2 + 10x + 21$$

Question 3

Expand the product of linear binomials. $(x + 5)(x + 3)$

$$x^2 + 3x + 5x + 15$$

$$x^2 + 8x + 15$$

Question 4

Expand the product of linear binomials. $(6x - 2)(-8x - 1)$

$$-48x^2 - 6x + 16x + 2$$

$$-48x^2 + 10x + 2$$

Question 5

Expand the product of linear binomials. $(-5x + 2)(5x - 6)$

$$-25x^2 + 30x + 10x - 12$$

$$-25x^2 + 40x - 12$$

Question 6

Expand the product of linear binomials. $(x-6)(x+5)$

$$x^2+5x-6x-30$$

$$x^2-x-30$$

Question 7

Expand the product of linear binomials. $(x+8)(6x+4)$

$$6x^2+4x+48x+32$$

$$6x^2+52x+32$$

Question 8

Expand the product of linear binomials. $(x-5)(x+2)$

$$x^2+2x-5x-10$$

$$x^2-3x-10$$

Question 9

Expand the product of linear binomials. $(-4x-8)(2x+6)$

$$-8x^2-24x-16x-48$$

$$-8x^2-40x-48$$

Question 10

Expand the product of linear binomials. $(-x-4)(-2x+4)$

$$2x^2-4x+8x-16$$

$$2x^2+4x-16$$